

CLAIMS

What is claimed is:

- 1 1. A method for analyzing a network utilizing a host controller, comprising:
 - 2 (a) accumulating network traffic information;
 - 3 (b) tracking a predetermined interval setting;
 - 4 (c) polling for the receipt of a demand over a network; and
 - 5 (d) in response to the demand or the cessation of the predetermined interval setting,
 - 6 transmitting the network traffic information to a zone controller.
- 1 2. The method as recited in claim 1, wherein the network traffic information is
2 received from a plurality of agents distributed over the network.
- 1 3. The method as recited in claim 1, and further comprising receiving the interval
2 setting from the zone controller.
- 1 4. The method as recited in claim 3, and further comprising controlling the agents
2 to accumulate network traffic information based on the interval setting.
- 1 5. The method as recited in claim 1, and further comprising generating a map of the
2 network.
- 1 6. The method as recited in claim 1, and further comprising generating a map of the
2 network based on the network traffic information.

1 7. The method as recited in claim 5, and further comprising transmitting the map to
2 the zone controller.

1 8. The method as recited in claim 1, and further comprising synchronizing a first
2 clock of the host controller and a second clock of the zone controller.

1 9. A computer program product for analyzing a network utilizing a host controller,
2 comprising:

- 3 (a) computer code for accumulating network traffic information;
4 (b) computer code for tracking a predetermined interval setting;
5 (c) computer code for polling for the receipt of a demand over a network; and
6 (d) computer code for transmitting the network traffic information to a zone
7 controller, in response to the demand or the cessation of the predetermined
8 interval setting.

1 10. The computer program product as recited in claim 9, wherein the network traffic
2 information is received from a plurality of agents distributed over the network.

1 11. The computer program product as recited in claim 9, and further comprising
2 computer code for receiving the interval setting from the zone controller.

1 12. The computer program product as recited in claim 11, and further comprising
2 computer code for controlling the agents to accumulate network traffic
3 information based on the interval setting.

1 13. The computer program product as recited in claim 9, and further comprising
2 computer code for generating a map of the network.

- 1 14. The computer program product as recited in claim 9, and further comprising
2 computer code for generating a map of the network based on the network traffic
3 information.
- 1 15. The computer program product as recited in claim 14, and further comprising
2 computer code for transmitting the map to the zone controller.
- 1 16. The computer program product as recited in claim 9, and further comprising
2 computer code for synchronizing a first clock of the host controller and a second
3 clock of the zone controller.
- 1 17. A system for analyzing a network utilizing a host controller, comprising:
2 (a) logic for accumulating network traffic information;
3 (b) logic for tracking a predetermined interval setting;
4 (c) logic for polling for the receipt of a demand over a network; and
5 (d) logic for transmitting the network traffic information to a zone controller, in
6 response to the demand or the cessation of the predetermined interval setting.
- 1 18. The system as recited in claim 17, wherein the network traffic information is
2 received from a plurality of agents distributed over the network.
- 1 19. The system as recited in claim 17, and further comprising logic for receiving the
2 interval setting from the zone controller.
- 1 20. The system as recited in claim 19, and further comprising logic for controlling
2 the agents to accumulate network traffic information based on the interval
3 setting.

1 21. The system as recited in claim 17, and further comprising logic for generating a
2 map of the network.

1 22. The system as recited in claim 17, and further comprising logic for generating a
2 map of the network based on the network traffic information.

1 23. The system as recited in claim 22, and further comprising logic for transmitting
2 the map to the zone controller.

1 24. The system as recited in claim 17, and further comprising logic for
2 synchronizing a first clock of the host controller and a second clock of the zone
3 controller.

1 25. A method for analyzing a network utilizing a host controller, comprising:
2 (a) accumulating network traffic information;
3 (b) transmitting the network traffic information to a zone controller;
4 (c) generating a map of the network based on the network traffic information; and
5 (d) transmitting the map to the zone controller.

1 26. A method for analyzing a network utilizing a host controller, comprising:
2 (a) receiving an interval setting from a zone controller;
3 (b) accumulating network traffic information from a plurality of agents distributed
4 over a network based on the zone controller;
5 (c) tracking a predetermined interval setting;
6 (d) polling for the receipt of a demand over the network;
7 (e) in response to the demand or the cessation of the predetermined interval setting,
8 transmitting the network traffic information to the zone controller;
9 (f) generating a map of the network based on the network traffic information;

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